

PC 20701C.ST25.txt  
SEQUENCE LISTING

<110> Dasseux, Jean Louis  
Sekul, Renate  
Buttner, Klaus  
Cornut, Isabelle  
Metz, Gunther

<120> Apolipoprotein A-I agonists and their use to treat dyslipidemic disorders

<130> 9169-032-999

<140> 10/801,897  
<141> 2004-03-15

<150> US 09/865,989  
<151> 2001-05-25

<150> US 09/465,719  
<151> 1999-12-17

<150> US 08/940,093  
<151> 1997-09-29

<160> 258

<170> PatentIn version 3.3

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Leu Lys Gln Lys Leu Lys  
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Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Trp  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys Lys  
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Leu Lys Gln Lys Leu Lys  
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1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<400> 8

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Gly Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Xaa Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
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Gly Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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<400> 14

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

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Leu Xaa Gln Xaa Leu Xaa  
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Leu Lys Gln Lys Leu Lys  
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1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

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1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 18

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 19

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&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa = D-Pro

&lt;400&gt; 19

Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 20

&lt;211&gt; 22

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 20

Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 21

&lt;211&gt; 22

&lt;212&gt; PRT

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&lt;220&gt;

&lt;221&gt; other

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa = D-Pro

&lt;400&gt; 21

Xaa val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 22

&lt;211&gt; 22

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 22

Pro val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Gly  
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Leu Lys Gln Lys Leu Lys  
20

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&lt;211&gt; 22

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 23

Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 24

&lt;211&gt; 22

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&lt;223&gt; None

&lt;400&gt; 24

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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
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Leu Gln Lys Lys Leu Lys  
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Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu xaa Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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<400> 26

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

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&lt;223&gt; xaa = Naphthylalanine

&lt;400&gt; 27

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Xaa Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 28

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 28

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 29

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 29

Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 30

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(22)

&lt;223&gt; N-Terminal dansylated peptide

&lt;400&gt; 30

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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
20

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Pro Val Leu Asp Leu Phe Leu Glu Leu Leu Asn Glu xaa Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
20

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1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 33  
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&lt;223&gt; None

&lt;400&gt; 33

Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 34

&lt;211&gt; 22

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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (5)..(5)

&lt;223&gt; Xaa = Naphthylalanine

&lt;400&gt; 34

Pro Val Leu Asp Xaa Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 35

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 35

Pro Val Leu Asp Trp Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 36

&lt;211&gt; 22

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 36

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Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Trp Leu Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Trp Lys Gln Lys Leu Lys  
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<400> 39

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Leu Lys Ala  
1 5 10 15

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Leu Lys Lys Lys Leu Lys  
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&lt;400&gt; 42

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Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Trp Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 43  
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Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

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Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 47  
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<220>  
<223> None

<400> 47

Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu  
1 5 10 15

Lys Gln Lys Leu Lys  
20

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Xaa Xaa Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
20

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<220>  
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<400> 49

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Lys Leu Leu Glu Ala  
1 5 10 15

Leu Glu Gln Lys Leu Lys  
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&lt;400&gt; 50

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Trp Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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&lt;400&gt; 51

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Leu Lys Gln Lys Leu Lys  
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1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 53  
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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 53

Val Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 54

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 54

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Trp Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 55

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 55

Pro Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln  
1 5 10 15

Lys Leu Lys

&lt;210&gt; 56

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 56

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

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Leu Lys Gln Lys Lys Lys  
20<210> 57  
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<212> PRT  
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<223> None

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Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Lys Ala  
1 5 10 15Leu Glu Gln Lys Leu Lys  
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<223> xaa = Aib

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Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15Leu Lys Gln Lys Leu  
20<210> 59  
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<223> None

&lt;400&gt; 59

Leu Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

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Leu Lys Gln Lys Leu Lys  
20<210> 60  
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<223> None

&lt;400&gt; 60

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln

<210> 61  
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&lt;400&gt; 61

Pro Val Leu Asp Glu Phe Arg Trp Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15Leu Lys Gln Lys Leu Lys  
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&lt;400&gt; 62

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Pro Val Leu Asp Glu Trp Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

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<400> 63

Pro Val Leu Asp Phe Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 64  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 64

Pro Trp Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 65  
<211> 21  
<212> PRT  
<213> Artificial

<220>

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&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (12)..(12)

&lt;223&gt; xaa can be any naturally occurring amino acid

&lt;400&gt; 65

Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu  
1 5 10 15

Lys Gln Lys Leu Lys  
20

&lt;210&gt; 66

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 66

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 67

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 67

Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu  
1 5 10 15

Lys Gln Lys Leu Lys  
20

&lt;210&gt; 68

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

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<220>  
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<222> (13)..(13)  
<223> Xaa = Aib

&lt;400&gt; 68

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Lys Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 69  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None.

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa = Aib

&lt;400&gt; 69

Pro Val Leu Asp Glu Phe Arg Lys Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 70  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
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<222> (13)..(13)  
<223> Xaa = Aib

&lt;400&gt; 70

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Tyr Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

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<210> 71  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (14)..(14)  
<223> Xaa = Aib

<400> 71

Pro val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Xaa Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 72  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> other  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 72

Pro val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Trp Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 73  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> other  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 73

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Pro Val Leu Asp Glu Phe Trp Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 74  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> other  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 74

Pro Val Leu Asp Lys Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 75  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 75

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 76  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)

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&lt;223&gt; Xaa = Aib

&lt;400&gt; 76

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Phe Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 77

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 77

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Lys Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 78

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 78

Pro Val Leu Asp Glu Phe Arg Asp Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 79

&lt;211&gt; 22

&lt;212&gt; PRT

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&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 79

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 80

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 80

Pro Val Leu Asp Leu Phe Glu Arg Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 81

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 81

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Trp Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 82

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

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&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (11)..(11)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 82

Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys  
1 5 10 15

Gln Lys Leu Lys  
20

&lt;210&gt; 83

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 83

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Trp Gln Lys Leu Lys  
20

&lt;210&gt; 84

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 84

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 85

&lt;211&gt; 21

&lt;212&gt; PRT

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&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 85

Pro Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu  
1 5 10 15

Lys Gln Lys Leu Lys  
20

&lt;210&gt; 86

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 86

Pro val Leu Glu Leu Phe Glu Arg Leu Leu Asp Glu Leu Leu Asn Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 87

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(22)

&lt;223&gt; All amino acids are in the D-configuration

&lt;400&gt; 87

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 88

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

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&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 88

Pro Val Leu Asp Lys Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 89

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 89

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Trp Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 90

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (10)..(10)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 90

Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln  
1 5 10 15

Lys Leu Lys

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<210> 91  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> Other  
<222> (13)..(13)  
<223> Xaa = Aib

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 91

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 92  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 92

Pro Val Leu Asp Glu Phe Arg Glu Leu Tyr Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 93  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

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<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa = Aib

&lt;400&gt; 93

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Lys Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 94  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

&lt;400&gt; 94

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Ala Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 95  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa = Aib

&lt;400&gt; 95

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 96  
<211> 22  
<212> PRT  
<213> Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(22)

&lt;223&gt; All genetically encoded amino acids are in the D-configuration

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 96

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 97

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 97

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu  
1 5 10 15

&lt;210&gt; 98

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 98

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 99

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

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&lt;223&gt; None

&lt;400&gt; 99

Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg  
1 5 10 15

Phe Leu Asp Leu Val Pro  
20

&lt;210&gt; 100

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(22)

&lt;223&gt; All amino acids are in the D-configuration

&lt;400&gt; 100

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 101

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 101

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Trp Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 102

&lt;211&gt; 22

&lt;212&gt; PRT

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&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa = Aib

&lt;400&gt; 102

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Glu Lys Leu Lys  
20

&lt;210&gt; 103

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 103

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 104

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 104

Pro Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys  
1 5 10 15

&lt;210&gt; 105

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 105

PC 20701C.ST25.txt  
Pro Ala Ala Asp Ala Phe Arg Glu Ala Ala Asn Glu Ala Ala Glu Ala  
1 5 10 15

Ala Lys Gln Lys Ala Lys  
20

<210> 106  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 106

Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 107  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (1)..(22)  
<223> All amino acids are in the D-configuration

<400> 107

Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg  
1 5 10 15

Phe Leu Asp Leu Val Pro  
20

<210> 108  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> xaa = Aib

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&lt;400&gt; 108

Pro Val Leu Asp Leu Phe Arg Trp Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 109

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 109

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Arg Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 110

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa - Aib

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (14)..(14)

&lt;223&gt; Xaa - Aib

&lt;400&gt; 110

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Xaa Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 111

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa - Aib

&lt;400&gt; 111

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Trp Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 112

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa - Aib

&lt;400&gt; 112

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Ser Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 113

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 113

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Pro Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 114

&lt;211&gt; 22

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<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa - Aib

<400> 114

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Met Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 115  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa - Aib

<400> 115

Pro Lys Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 116  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa - Aib

<400> 116

Pro His Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
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10

1 5 15

Leu Lys Gln Lys Leu Lys  
20<210> 117  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa - Aib

&lt;400&gt; 117

Pro Glu Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu xaa Leu Glu Ala  
1 5 10 15Leu Lys Gln Lys Leu Lys  
20<210> 118  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa - Aib

&lt;400&gt; 118

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu xaa Leu Glu Ala  
1 5 10 15Leu Glu Gln Lys Leu Lys  
20<210> 119  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

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&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (17)..(17)

&lt;223&gt; Xaa - Aib

&lt;400&gt; 119

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Xaa Lys Gln Lys Leu Lys  
20

&lt;210&gt; 120

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (16)..(16)

&lt;223&gt; Xaa - Aib

&lt;400&gt; 120

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Xaa  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 121

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 121

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Trp Gln Lys Leu Lys  
20

&lt;210&gt; 122

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 122

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Trp  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 123

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 123

Gln Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 124

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (7)..(7)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (18)..(18)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (20)..(20)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (22)..(22)

&lt;223&gt; Xaa = Orn

&lt;400&gt; 124

Pro Val Leu Asp Leu Phe Xaa Glu Leu Leu Asn Glu Leu Leu Glu Ala  
Page 43

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10

1

5

15

Leu Xaa Gln Xaa Leu Xaa  
20<210> 125  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 125

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15Leu Lys Gln Lys Leu Lys  
20<210> 126  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 126

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Gly Glu Ala  
1 5 10 15Leu Lys Gln Lys Leu Lys  
20<210> 127  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 127

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu  
1 5 10 15Leu Lys Gln Lys Leu Lys  
20<210> 128  
<211> 22

PC 20701C.ST25.txt

<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 128

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Phe  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 129  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 129

Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 130  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 130

Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 131  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 131

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Asp Ala  
Page 45

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10

1

5

15

Leu Arg Gln Lys Leu Lys  
20<210> 132  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 132

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Asn Leu Leu Glu Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 133  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 133

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Gln Ala  
1 5 10 15Leu Asn Lys Lys Leu Lys  
20<210> 134  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 134

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Lys Ala  
1 5 10 15Leu Asn Gln Lys Leu Lys  
20<210> 135  
<211> 22

PC 20701C.ST25.txt

<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 135

Asp val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 136  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 136

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Gln Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 137  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (17)..(17)  
<223> Xaa - Naphthylalanine

<400> 137

Pro val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Xaa Lys Gln Lys Leu Lys  
20

<210> 138  
<211> 22  
<212> PRT  
<213> Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 138

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Trp  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 139

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 139

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

&lt;210&gt; 140

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (18)..(18)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (20)..(20)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (22)..(22)

&lt;223&gt; Xaa = Orn

&lt;400&gt; 140

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Xaa Gln Xaa Leu Xaa  
20

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<210> 141  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 141

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 142  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 142

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 143  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (1)..(22)  
<223> N-terminal acetylated and C-terminal amidated peptide

<400> 143

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 144

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<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = D-Pro

<400> 144

Xaa Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 145  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 145

Gly Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 146  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 146

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 147  
<211> 22  
<212> PRT  
<213> Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 147

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Phe Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 148

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 148

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Gly Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 149

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 149

Pro Val Leu Glu Leu Phe Glu Asn Leu Trp Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 150

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 150

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

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Leu Gln Lys Lys Leu Lys  
20<210> 151  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 151

Pro val Leu Glu Leu Phe Glu Asn Leu Gly Glu Arg Leu Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 152  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 152

Pro val Phe Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 153  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 153

Ala val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 154  
<211> 22  
<212> PRT  
<213> Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 154

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Gly Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 155

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 155

Pro Val Leu Glu Leu Phe Leu Asn Leu Trp Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 156

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 156

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 157

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 157

Pro Val Leu Glu Phe Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

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Leu Gln Lys Lys Leu Lys  
20<210> 158  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 158

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Trp  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 159  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 159

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 160  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 160

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Trp  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 161  
<211> 22  
<212> PRT  
<213> Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 161

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 162

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 162

Pro Val Leu Glu Leu Phe Glu Asn Trp Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 163

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 163

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Trp Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 164

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 164

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

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Trp Gln Lys Lys Leu Lys  
20<210> 165  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 165

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Leu  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 166  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 166

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Lys Leu Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 167  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 167

Pro Val Leu Glu Leu Phe Glu Asn Gly Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 168  
<211> 22  
<212> PRT  
<213> Artificial



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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 168

Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Lys Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 169

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 169

Pro Val Leu Glu Leu Phe Glu Asn Gly Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 170

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(12)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (19)..(19)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (20)..(20)

&lt;223&gt; Xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (22)..(22)

&lt;223&gt; Xaa = Orn

&lt;400&gt; 170

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Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Xaa Leu Leu Asp Ala  
1 5 10 15

Leu Gln Xaa Xaa Leu Xaa  
20

<210> 171  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 171

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Leu  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 172  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 172

Pro val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Gly Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 173  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<400> 173

Pro Val Leu Asp Leu Phe Asp Asn Leu Leu Asp Arg Leu Leu Asp Leu  
1 5 10 15

Leu Asn Lys Lys Leu Lys  
20

<210> 174

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<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

<220>  
<221> MISC\_FEATURE  
<222> (1)..(22)  
<223> All amino acids are in the D-configuration

&lt;400&gt; 174

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 175  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

&lt;400&gt; 175

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Leu  
1 5 10 15

Leu Asn Lys Lys Leu Lys  
20

<210> 176  
<211> 22  
<212> PRT  
<213> Artificial

<220>  
<223> None

&lt;400&gt; 176

Pro Val Leu Glu Leu Trp Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 177  
<211> 22  
<212> PRT  
<213> Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 177

Gly Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 178

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 178

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Lys Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Arg  
20

&lt;210&gt; 179

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 179

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

&lt;210&gt; 180

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 180

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala  
1 5 10 15

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Leu Gln Lys Lys Leu Arg  
20<210> 181  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 181

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Trp Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 182  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 182

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Glu Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 183  
<211> 22  
<212> PRT  
<213> Artificial<220>  
<223> None

&lt;400&gt; 183

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala  
1 5 10 15Leu Gln Lys Lys Leu Lys  
20<210> 184  
<211> 22  
<212> PRT  
<213> Artificial

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 184

Pro val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Trp Gln Lys Lys Leu Lys  
20

&lt;210&gt; 185

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (19)..(19)

&lt;223&gt; xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (20)..(20)

&lt;223&gt; xaa = Orn

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (22)..(22)

&lt;223&gt; xaa = Orn

&lt;400&gt; 185

Pro val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Xaa Xaa Leu Xaa  
20

&lt;210&gt; 186

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 186

Pro val Leu Glu Leu Phe Glu Gln Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys

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20

<210> 187  
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<220>  
<223> None

&lt;400&gt; 187

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Asn Lys Lys Leu Lys  
20

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&lt;400&gt; 188

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Asp Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
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<210> 189  
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<220>  
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&lt;400&gt; 189

Asp Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 190  
<211> 22  
<212> PRT  
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&lt;223&gt; None

&lt;400&gt; 190

Pro Val Leu Glu Phe Trp Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Arg  
20

&lt;210&gt; 191

&lt;211&gt; 18

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&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 191

Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 192

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&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 192

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 193

&lt;211&gt; 18

&lt;212&gt; PRT



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&lt;220&gt;

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&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 193

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 194

&lt;211&gt; 18

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 194

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 195

&lt;211&gt; 18

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 195

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

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Leu Lys

<210> 196  
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&lt;400&gt; 196

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Asn Lys  
1 5 10 15

Leu Lys

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&lt;400&gt; 197

Pro Leu Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 198  
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&lt;221&gt; MISC\_FEATURE

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&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 198

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 199

&lt;211&gt; 18

&lt;212&gt; PRT

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&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 199

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 200

&lt;211&gt; 18

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 200

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

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Pro Leu Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

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Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Lys  
1 5 10 15

Leu Arg

<210> 203  
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&lt;400&gt; 203

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Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 204  
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&lt;400&gt; 204

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
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Leu Lys

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&lt;400&gt; 205

Pro val Leu Asp Leu Phe Arg Glu Trp Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 206  
<211> 18  
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&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 206

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 207

&lt;211&gt; 18

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 207

Pro Val Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 208

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 208

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Arg  
1 5 10 15

Leu Lys

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<210> 209  
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<220>  
<223> None

<400> 209

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys  
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Leu Lys

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<400> 210

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1 5 10 15

Leu Lys

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&lt;400&gt; 211

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1 5 10 15

Leu Xaa

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1 5 10 15

Leu Lys

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<211> 18  
<212> PRT  
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<220>  
<223> None

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Leu Lys

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Leu Lys

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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Trp Lys Gln Lys  
1 5 10 15

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Leu Lys

<210> 216  
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<212> PRT  
<213> Artificial

<220>  
<223> None

&lt;400&gt; 216

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
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Leu Lys

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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Leu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

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&lt;400&gt; 218

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys  
1 5 10 15

Leu Lys

PC 20701C.ST25.txt

<210> 219  
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<220>  
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<400> 219

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Gln Lys  
1 5 10 15

Leu Lys

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<220>  
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<400> 220

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Gln Lys Lys  
1 5 10 15

Leu Lys

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Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 222

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<400> 222

Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Leu Gln Leu  
1 5 10 15

Lys Lys

<210> 223  
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<400> 223

Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Ala Gln Leu  
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Lys Lys

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1 5 10 15

Leu Lys

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<220>  
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<400> 225

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Pro Val Leu Asp Ala Phe Arg Glu Leu Ala Glu Ala Leu Ala Gln Leu  
1 5 10 15

Lys Lys

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<400> 226

Pro Val Leu Asp Ala Phe Arg Glu Leu Gly Glu Ala Leu Leu Gln Leu  
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Lys Lys

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Leu Lys

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&lt;400&gt; 228

Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 229

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 229

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Gly Lys Gln Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 230

&lt;211&gt; 18

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 230

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Gln Lys Lys  
1 5 10 15

Leu Lys

&lt;210&gt; 231

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;400&gt; 231

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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Glu Gln Lys  
1 5 10 15

Leu Lys

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Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
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Leu Lys

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<400> 237

Leu Asp Asp Leu Leu Gln Lys Trp Ala Glu Ala Phe Asn Gln Leu Leu  
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Lys Lys

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Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu  
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Leu Phe

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Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu  
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Leu Phe

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Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
1 5 10 15

Ala Phe

<210> 241  
<211> 18  
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<220>  
<223> None

&lt;400&gt; 241

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe

<210> 242  
<211> 18  
<212> PRT  
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<220>  
<223> None

&lt;400&gt; 242

Gly Ile Lys Lys Phe Leu Gly Ser Ile Trp Lys Phe Ile Lys Ala Phe  
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Val Gly

<210> 243  
<211> 18  
<212> PRT  
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<220>  
<223> None

&lt;400&gt; 243

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu  
Page 81

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15

Ala Phe

<210> 244  
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<212> PRT  
<213> Artificial

<220>  
<223> None

&lt;400&gt; 244

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
1 5 10 15

Ala Phe

<210> 245  
<211> 18  
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<220>  
<223> None

&lt;400&gt; 245

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe

<210> 246  
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<220>  
<223> None

&lt;400&gt; 246

Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu  
1 5 10 15

Leu Phe

<210> 247  
<211> 18

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<220>  
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<400> 247

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Phe Phe Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe

<210> 248  
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<220>  
<223> None

<400> 248

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu  
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Leu Phe

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Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Glu Glu Lys Leu Lys Glu  
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Leu Phe

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<212> PRT  
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&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 250

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu  
1 5 10 15

Leu Phe

&lt;210&gt; 251

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(18)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 251

Glu Trp Leu Lys Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu  
1 5 10 15

Leu Phe

&lt;210&gt; 252

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; None

&lt;220&gt;

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&lt;223&gt; N-terminal acetylated and C-terminal amidated

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PC 20701C.ST25.txt

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&lt;222&gt; (1)..(16)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

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&lt;222&gt; (1)..(16)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 257

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Lys Gln Lys  
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&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(16)

&lt;223&gt; N-terminal acetylated and C-terminal amidated

&lt;400&gt; 258

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Lys Gln Lys  
1 5 10 15